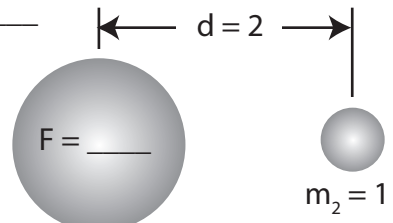


Name: _____
 Period: _____
 Table: _____

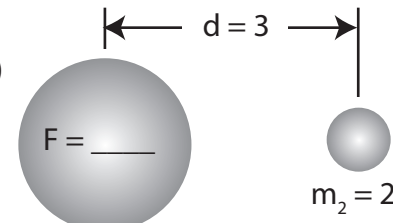
In each section below determine which pair of planets would have the greatest attractive force. Write your choice in the space next to the problem number. Also write the attractive force value (in terms of F) in each large planet.

1. _____

a) 

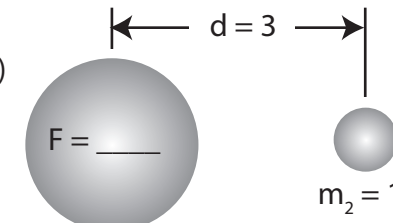
$F = \underline{\hspace{2cm}}$

$m_1 = 4$ $m_2 = 1$

b) 

$F = \underline{\hspace{2cm}}$

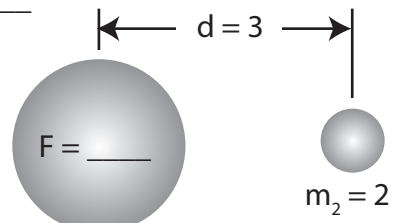
$m_1 = 4$ $m_2 = 2$

c) 

$F = \underline{\hspace{2cm}}$

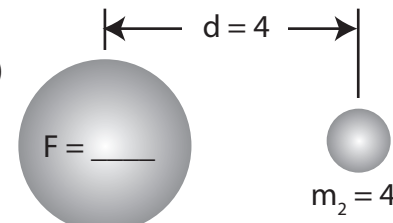
$m_1 = 6$ $m_2 = 1$

2. _____

a) 

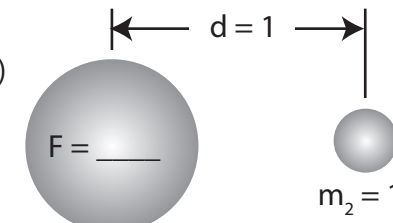
$F = \underline{\hspace{2cm}}$

$m_1 = 6$ $m_2 = 2$

b) 

$F = \underline{\hspace{2cm}}$

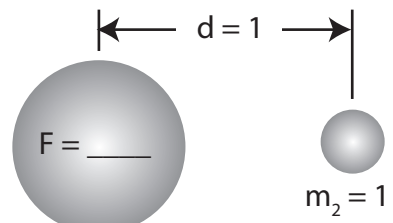
$m_1 = 8$ $m_2 = 4$

c) 

$F = \underline{\hspace{2cm}}$

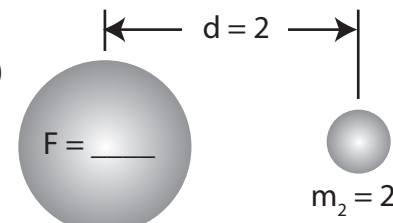
$m_1 = 4$ $m_2 = 1$

3. _____

a) 

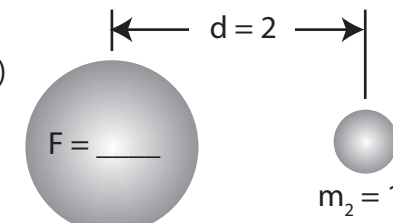
$F = \underline{\hspace{2cm}}$

$m_1 = 2$ $m_2 = 1$

b) 

$F = \underline{\hspace{2cm}}$

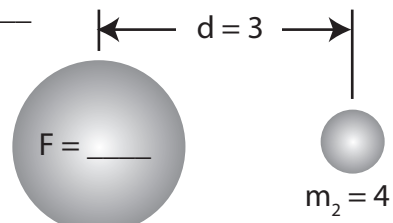
$m_1 = 3$ $m_2 = 2$

c) 

$F = \underline{\hspace{2cm}}$

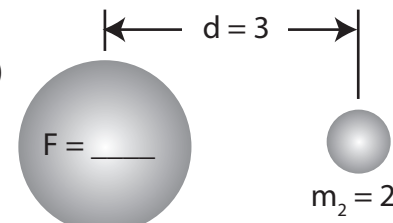
$m_1 = 6$ $m_2 = 1$

4. _____

a) 

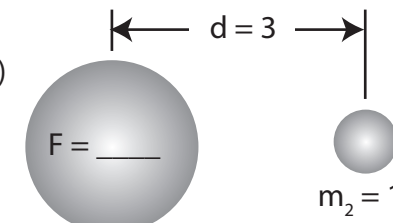
$F = \underline{\hspace{2cm}}$

$m_1 = 6$ $m_2 = 4$

b) 

$F = \underline{\hspace{2cm}}$

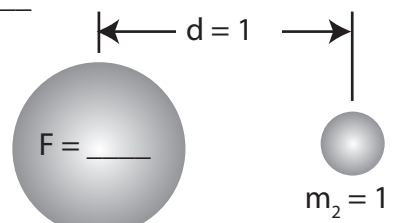
$m_1 = 5$ $m_2 = 2$

c) 

$F = \underline{\hspace{2cm}}$

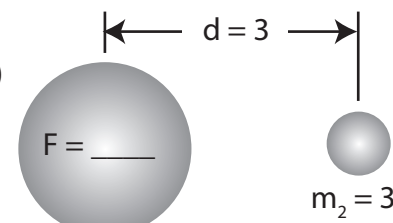
$m_1 = 7$ $m_2 = 1$

5. _____

a) 

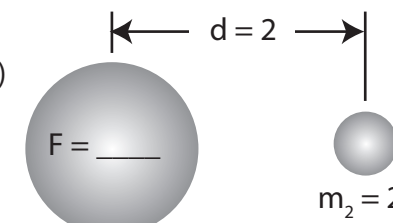
$F = \underline{\hspace{2cm}}$

$m_1 = 6$ $m_2 = 1$

b) 

$F = \underline{\hspace{2cm}}$

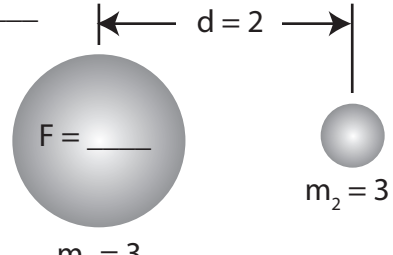
$m_1 = 8$ $m_2 = 3$

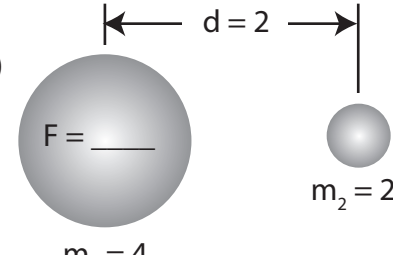
c) 

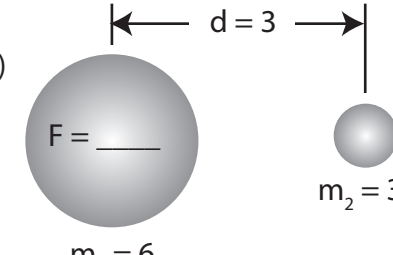
$F = \underline{\hspace{2cm}}$

$m_1 = 10$ $m_2 = 2$

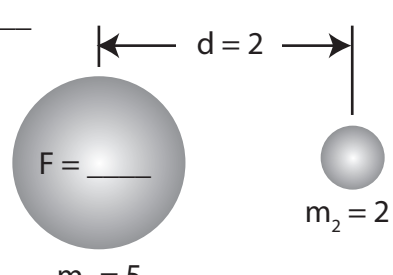
6. _____

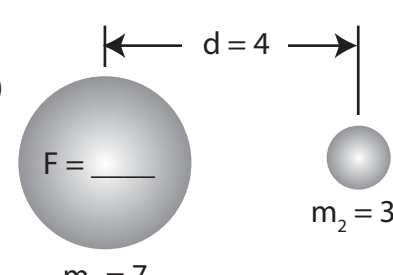
a)  $F = \underline{\hspace{2cm}}$
 $m_1 = 3$
 $m_2 = 3$
 $d = 2$

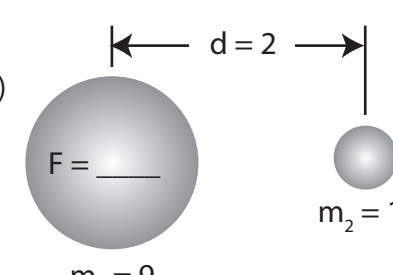
b)  $F = \underline{\hspace{2cm}}$
 $m_1 = 4$
 $m_2 = 2$
 $d = 2$

c)  $F = \underline{\hspace{2cm}}$
 $m_1 = 6$
 $m_2 = 3$
 $d = 3$

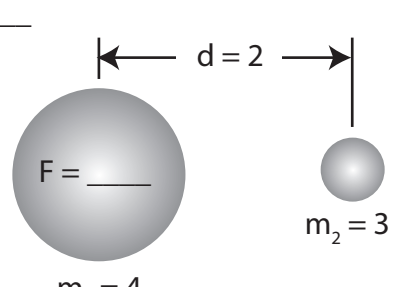
7. _____

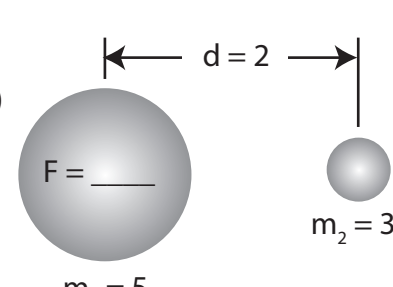
a)  $F = \underline{\hspace{2cm}}$
 $m_1 = 5$
 $m_2 = 2$
 $d = 2$

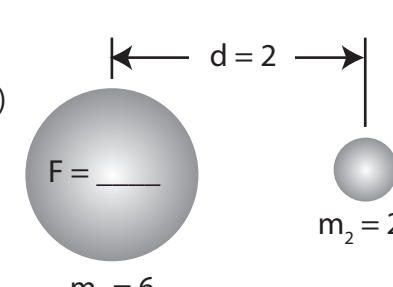
b)  $F = \underline{\hspace{2cm}}$
 $m_1 = 7$
 $m_2 = 3$
 $d = 4$

c)  $F = \underline{\hspace{2cm}}$
 $m_1 = 9$
 $m_2 = 1$
 $d = 2$

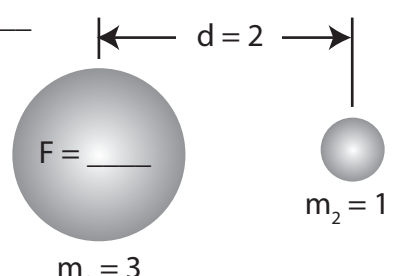
8. _____

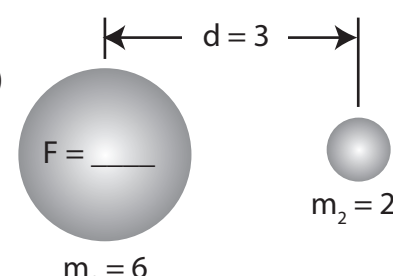
a)  $F = \underline{\hspace{2cm}}$
 $m_1 = 4$
 $m_2 = 3$
 $d = 2$

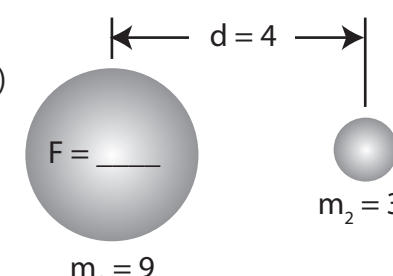
b)  $F = \underline{\hspace{2cm}}$
 $m_1 = 5$
 $m_2 = 3$
 $d = 2$

c)  $F = \underline{\hspace{2cm}}$
 $m_1 = 6$
 $m_2 = 2$
 $d = 2$

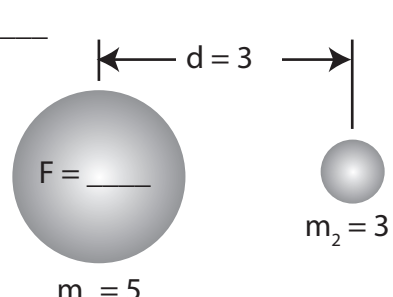
9. _____

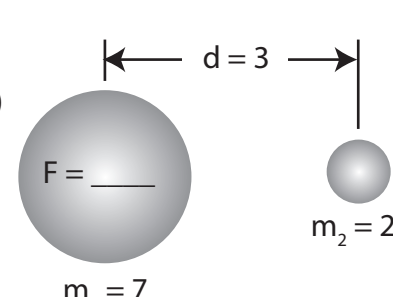
a)  $F = \underline{\hspace{2cm}}$
 $m_1 = 3$
 $m_2 = 1$
 $d = 2$

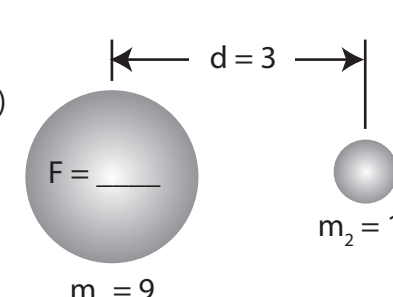
b)  $F = \underline{\hspace{2cm}}$
 $m_1 = 6$
 $m_2 = 2$
 $d = 3$

c)  $F = \underline{\hspace{2cm}}$
 $m_1 = 9$
 $m_2 = 3$
 $d = 4$

10. _____

a)  $F = \underline{\hspace{2cm}}$
 $m_1 = 5$
 $m_2 = 3$
 $d = 3$

b)  $F = \underline{\hspace{2cm}}$
 $m_1 = 7$
 $m_2 = 2$
 $d = 3$

c)  $F = \underline{\hspace{2cm}}$
 $m_1 = 9$
 $m_2 = 1$
 $d = 3$